

SPNT

09/993,245 Search Strategy

(FILE 'HOME' ENTERED AT 09:59:46 ON 01 SEP 2004)

FILE 'MEDLINE, AGRICOLA, CAPLUS, BIOSIS, EMBASE, WPIDS' ENTERED AT  
10:01:06 ON 01 SEP 2004

L1 40423 S TOPOISOMERASE  
L2 131 S L1 (5A) CRYSTAL  
L3 55 DUP REM L2 (76 DUPLICATES REMOVED)  
L4 30 S L3 NOT PY>2001  
L5 61 S 5.99.1.2 AND CRYSTAL

FILE 'REGISTRY' ENTERED AT 10:16:53 ON 01 SEP 2004

L6 1 S 80449-01-0

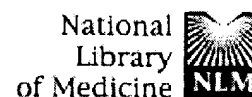
FILE 'MEDLINE, AGRICOLA, CAPLUS, BIOSIS, EMBASE, WPIDS' ENTERED AT  
10:17:12 ON 01 SEP 2004

L7 2 S L6 (5A) CRYSTAL  
L8 2 DUP REM L7 (0 DUPLICATES REMOVED)

SRMF

	Type	Hits	Search Text	DBs	Time Stamp
1	BRS	1	(Kerrigan.in. or Pilch.in.) and topoisomerase	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/31 13:53
2	BRS	52	topoisomerase and crystal and ternary	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/31 13:56
3	BRS	5	(topoisomerase near5 crystal) and ternary	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/09/01 06:55
4	BRS	14	topoisomerase near5 crystal	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/09/01 07:14
5	BRS	2	6039804.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/09/01 08:56
6	BRS	2	5004758.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/09/01 08:56
7	BRS	2	5070192.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/09/01 08:57
8	BRS	4	"5856116"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/09/01 08:58
9	BRS	3	9945379.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/09/01 08:58
10	BRS	1	0014105.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/09/01 08:58
11	BRS	3	200014105.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/09/01 09:50
12	BRS	1026	topoisomerase and crystal	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/09/01 09:50
13	BRS	229417	burgin.in. or hjerrild.in. or kim.in. or staker.in. or stewart.in. or behnke.in. or feese.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/09/01 09:51
14	BRS	181	(burgin.in. or hjerrild.in. or kim.in. or staker.in. or stewart.in. or behnke.in. or feese.in.) and topoisomerase	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/09/01 09:52
15	BRS	105	((burgin.in. or hjerrild.in. or kim.in. or staker.in. or stewart.in. or behnke.in. or feese.in.) and topoisomerase) and crystal	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/09/01 09:52
16	BRS	3	(burgin.in. or hjerrild.in. or kim.in. or staker.in. or stewart.in. or behnke.in. or feese.in.) and (topoisomerase near10 crystal)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/09/01 09:52

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- Search History will be lost after eight hours of inactivity.
- To combine searches use # before search number, e.g., #2 AND #6.
- Search numbers may not be continuous; all searches are represented.
- Click on query # to add to strategy

Search

Most Recent Queries

	Time	Result
<a href="#">#11</a> Search topoisomerase crystal	08:25:05	<a href="#">92</a>
<a href="#">#9</a> Search topotecan and crystal DNA	06:54:38	<a href="#">8</a>
<a href="#">#5</a> Search camptothecin and crystal DNA	06:52:25	<a href="#">21</a>
<a href="#">#4</a> Search camptothecin and crystal	06:51:00	<a href="#">25</a>
<a href="#">#3</a> Search camptothecin	06:50:54	<a href="#">4848</a>
<a href="#">#1</a> Search stewart redinbo	06:45:01	<a href="#">6</a>

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Thu Jul 24 04:17:11

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## IUBMB Enzyme Nomenclature

**EC 5.99.1.2****Common name:** DNA topoisomerase**Reaction:** ATP-independent breakage of single-stranded DNA, followed by passage and rejoining**Other name(s):** type I DNA topoisomerase; untwisting enzyme; relaxing enzyme; nicking-closing enzyme; swivelase;  $\omega$ -protein; deoxyribonuclease topoisomerase; topoisomerase; type I DNA topoisomerase**Systematic name:** DNA topoisomerase**Comments:** These enzymes bring about the conversion of one topological isomer of DNA into another. *e.g.*, the relaxation of superhelical turns in DNA, the interconversion of simple and knotted rings of single-stranded DNA, and the intertwisting of single-stranded rings of complementary sequences, *cf.* [EC 5.99.1.3](#) DNA topoisomerase (ATP-hydrolysing).**Links to other databases:** [BRENDA](#), [EXPASY](#), [KEGG](#), [ERGO](#), [PDB](#), CAS registry number: 80449-01-0**References:**

1. Gellert, M. DNA topoisomerases. *Annu. Rev. Biochem.* 50 (1981) 879-910. [Medline UI: [81280532](#)]

[EC 5.99.1.2 created 1984]

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